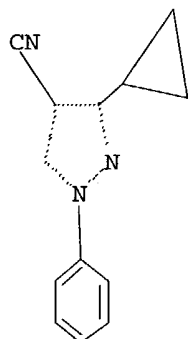


=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'HOME' ENTERED AT 11:18:05 ON 09 DEC 2004)

FILE 'REGISTRY' ENTERED AT 11:18:19 ON 09 DEC 2004

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| L1 | STRUCTURE UPLOADED |
| L2 | 2 S L1 |
| L3 | 58 S L1 FULL |
| L4 | 58 S L3 AND CAPLUS/LC |
| L5 | 0 S L3 AND CAOLD/LC |

FILE 'CAPLUS' ENTERED AT 11:19:10 ON 09 DEC 2004

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| L6 | 5 S L3 |
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L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1994:298625 CAPLUS

DOCUMENT NUMBER: 120:298625

TITLE: Preparation of phenylpyrazoles as arthropodocides, nematocides, protozoacides, and anthelmintics

INVENTOR(S): Hatton, Leslie R.; Buntain, Ian G.; Hawkins, David W.; Parnell, Edgar W.; Pearson, Christopher J.

PATENT ASSIGNEE(S): UK

SOURCE: U.S., 76 pp. Cont.-in-part of U.S. Ser. No. 445,153, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

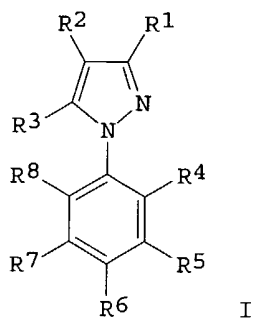
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|-------------|
| US 5232940 | A | 19930803 | US 1990-520290 | 19900507 |
| IL 86493 | A1 | 19921115 | IL 1988-86493 | 19880525 |
| IL 105138 | A1 | 19940826 | IL 1988-105138 | 19880525 |
| HU 210668 | B | 19950628 | HU 1991-1577 | 19880610 |
| US 5547974 | A | 19960820 | US 1993-57669 | 19930505 |
| FI 9501839 | A | 19950418 | FI 1995-1839 | 19950418 |
| US 5608077 | A | 19970304 | US 1995-454412 | 19950530 |
| US 5714191 | A | 19980203 | US 1995-453087 | 19950530 |
| US 5916618 | A | 19990629 | US 1997-947056 | 19971007 |
| US 6372774 | B1 | 20020416 | US 1999-354903 | 19990716 |
| DK 200201527 | A5 | 20021010 | DK 2002-1527 | 20021010 |
| PRIORITY APPLN. INFO.: | | | GB 1985-31485 | A 19851220 |
| | | | US 1986-943132 | B1 19861218 |
| | | | GB 1987-13768 | A 19870612 |
| | | | GB 1987-13769 | A 19870612 |
| | | | US 1988-205238 | B1 19880610 |
| | | | US 1988-205299 | B1 19880610 |
| | | | US 1989-380333 | B1 19890717 |
| | | | US 1989-413134 | B1 19890927 |
| | | | US 1989-445153 | B2 19891205 |
| | | | IL 1986-81025 | A 19861218 |
| | | | IL 1988-86492 | A 19880525 |
| | | | DK 1988-3140 | L 19880609 |
| | | | FI 1988-2735 | A 19880609 |
| | | | HU 1988-3009 | A 19880610 |
| | | | US 1990-520290 | A3 19900507 |
| | | | US 1993-57669 | A3 19930505 |
| | | | US 1995-453087 | A1 19950530 |
| | | | US 1996-652921 | B1 19960524 |
| | | | US 1997-855876 | B3 19970512 |
| | | | US 1998-137313 | B3 19980821 |

OTHER SOURCE(S): MARPAT 120:298625
GI



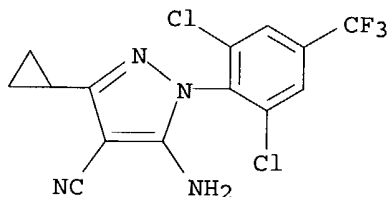
AB Title compds. [I; R1 = cyano, nitro, halo, acetyl, formyl, (halo)alkyl, etc.; R2 = R'SO₂, R'SO, R'S, halo, cyano, nitro, cycloalkyl, alkenyl, thiocyanato, sulfamoyl, carbamoyl, alkoxycarbonyl, alkanoyl, (halo)alkyl; R' = (substituted) alkyl, alkenyl, alkynyl; R3 = H, (substituted) amino, alkoxycarbonyl, alkoxymethyleneamino, halo, cycloalkyl, cycloalkylcarbonyl, alkylsulfenylamino, trialkylsilylmethyl, etc.; R4-R8 = H, halo, nitro, cyano, (halo-substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl], were prepared. Thus, fuming nitric acid was added dropwise to 5-acetamido-3-bromo-1-(2,6-dichloro-4-trifluoromethylphenyl)pyrazole and acetic anhydride in acetic acid; the mixture was stirred at 60° for 5 h to give 5-acetamido-3-bromo-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-nitropyrazole. Several I were effective against *Plutella xylostella* larvae, all stages of *Megoura viciae*, and *Spodoptera littoralis* larvae.

IT 111246-97-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as arthropodicide, nematocide, and anthelmintic)

RN 111246-97-0 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-cyclopropyl-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:282543 CAPLUS

DOCUMENT NUMBER: 138:304279

TITLE: Preparation of insecticidal and acaricidal
3-substituted pyrazolesINVENTOR(S): Furch, Joseph A.; Kuhn, David; Szucs, Stephen S.; Gu,
Kun-jian; Von Deyn, Wolfgang

PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 72 pp.

CODEN: PIXXD2

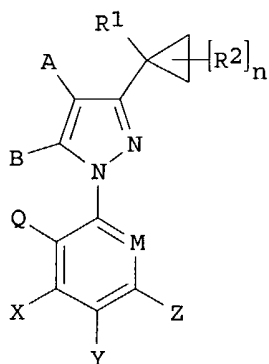
DOCUMENT TYPE: Patent

LANGUAGE: English

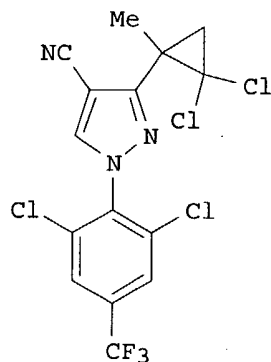
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2003029222 | A1 | 20030410 | WO 2002-EP10719 | 20020925 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1432688 | A1 | 20040630 | EP 2002-777196 | 20020925 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK | | | | |
| BR 2002012385 | A | 20040817 | BR 2002-12385 | 20020925 |
| PRIORITY APPLN. INFO.: US 2001-324633P P 20010925 | | | | |
| WO 2002-EP10719 W 20020925 | | | | |
| OTHER SOURCE(S): MARPAT 138:304279 | | | | |
| GI | | | | |



I



II

AB The title compds. [I; R1 = H, halo, alkyl, etc.; R2 = H, halo, alkyl,

etc.; A = H, OH, CN, etc.; B = H, OH, NH₂, etc.; Q = H, NO₂, halo, etc.; X, Y, Z = H, halo, haloalkyl, alkoxy or haloalkoxy; M = N, CR₆; R₆ = H, NO₂, halo, haloalkyl; n = 0-4; with the proviso that, when R₁ = H, n is not zero], useful for the control of insect and acarid pests and for the protection of plants from those pests as well as useful for treating, controlling, preventing and protecting warm-blooded animals and humans against infestation and infection by arachnids and arthropod endo- and ectoparasites, were prepared. E.g., a 3-step synthesis of II, starting from 2,6-dichloro-4-(trifluoromethyl)phenylhydrazine and 2,2-dichloro-1-methylcyclopropanecarboxylic acid, was given. Some of the compds. I showed 100% mortality at 300 ppm when tested against green peach aphid (*Myzus persicae*).

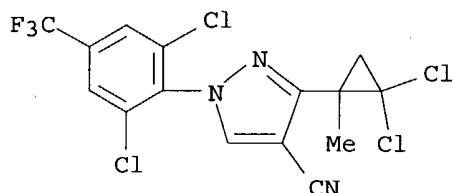
IT 508228-94-2P 508228-95-3P 508228-97-5P
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 508229-07-0P 508229-08-1P 508229-09-2P
 508229-10-5P 508229-11-6P 508229-12-7P
 508229-13-8P 508229-14-9P 508229-15-0P
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 508229-25-2P 508229-26-3P 508229-27-4P
 508229-28-5P 508229-29-6P 508229-30-9P
 508229-31-0P 508229-32-1P 508229-33-2P
 508229-43-4P 508229-44-5P 508229-63-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of insecticidal and acaricidal 3-substituted pyrazoles)

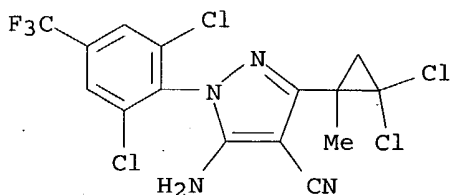
RN 508228-94-2 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



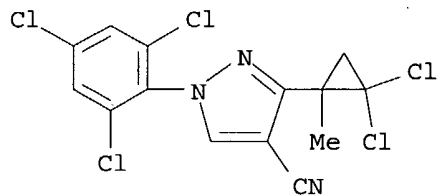
RN 508228-95-3 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



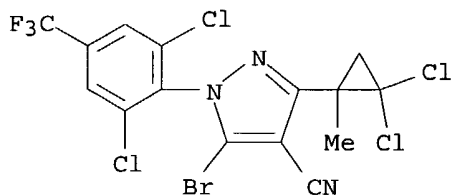
RN 508228-97-5 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



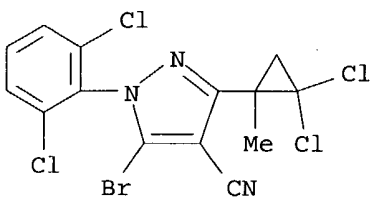
RN 508228-99-7 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



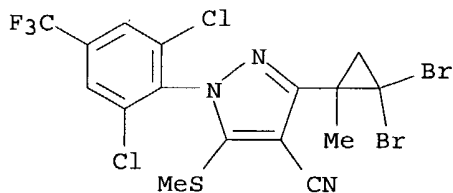
RN 508229-00-3 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)- (9CI) (CA INDEX NAME)



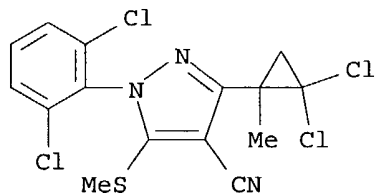
RN 508229-01-4 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(methylthio)- (9CI) (CA INDEX NAME)



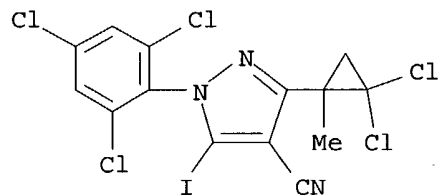
RN 508229-02-5 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)-5-(methylthio)- (9CI) (CA INDEX NAME)



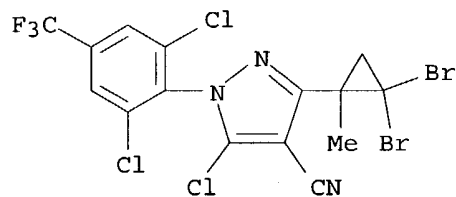
RN 508229-03-6 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-5-iodo-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



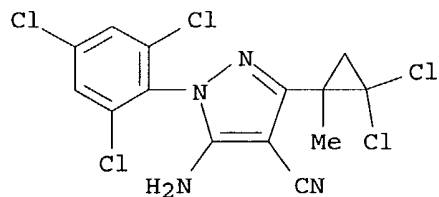
RN 508229-06-9 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-chloro-3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



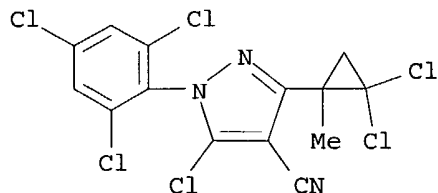
RN 508229-07-0 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



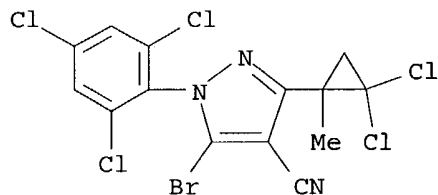
RN 508229-08-1 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-chloro-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



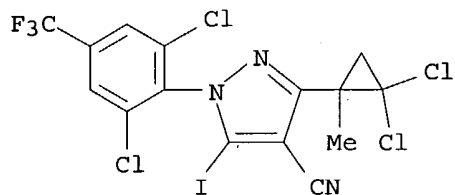
RN 508229-09-2 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



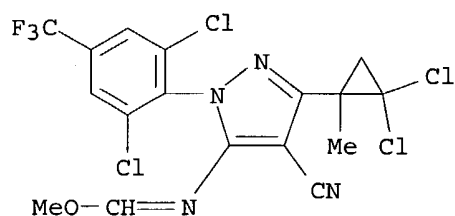
RN 508229-10-5 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-iodo- (9CI) (CA INDEX NAME)

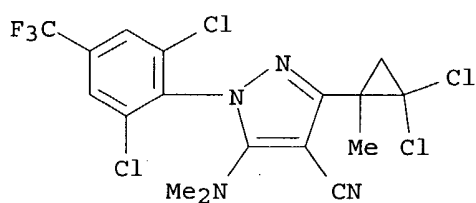


RN 508229-11-6 CAPLUS

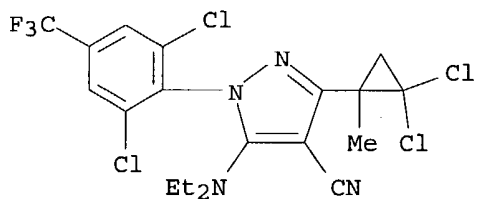
CN Methanimidic acid, N-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-, methyl ester (9CI) (CA INDEX NAME)



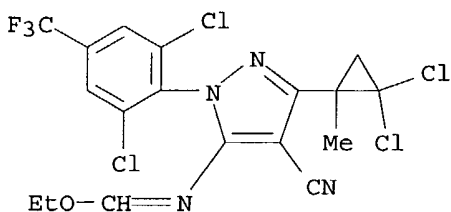
RN 508229-12-7 CAPLUS
 CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(dimethylamino)- (9CI) (CA INDEX NAME)



RN 508229-13-8 CAPLUS
 CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(diethylamino)- (9CI) (CA INDEX NAME)

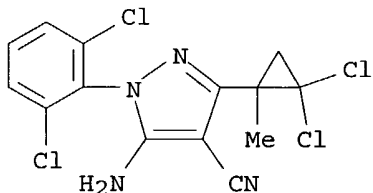


RN 508229-14-9 CAPLUS
 CN Methanimidic acid, N-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-, ethyl ester (9CI) (CA INDEX NAME)



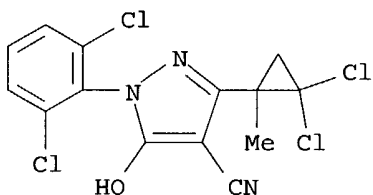
RN 508229-15-0 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)- (9CI) (CA INDEX NAME)



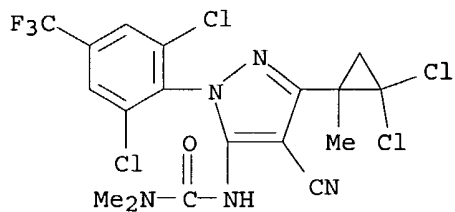
RN 508229-16-1 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)-5-hydroxy- (9CI) (CA INDEX NAME)



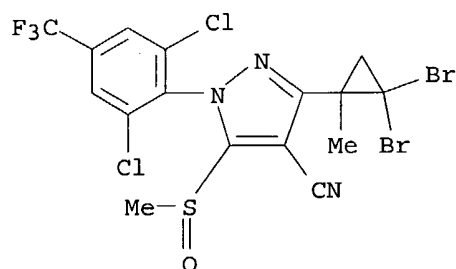
RN 508229-17-2 CAPLUS

CN Urea, N'-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

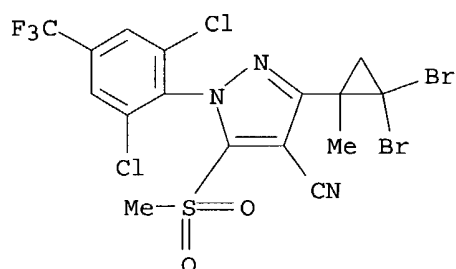


RN 508229-18-3 CAPLUS

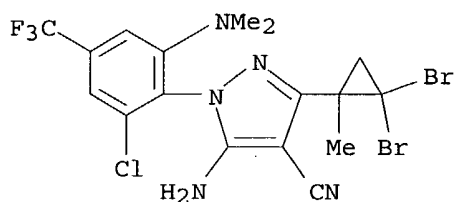
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(methylsulfinyl)- (9CI) (CA INDEX NAME)



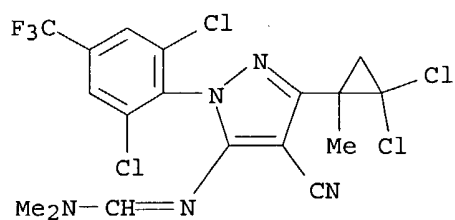
RN 508229-19-4 CAPLUS
 CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(methylsulfonyl)- (9CI) (CA INDEX NAME)



RN 508229-20-7 CAPLUS
 CN 1H-Pyrazole-4-carbonitrile, 5-amino-1-[2-chloro-6-(dimethylamino)-4-(trifluoromethyl)phenyl]-3-(2,2-dibromo-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)

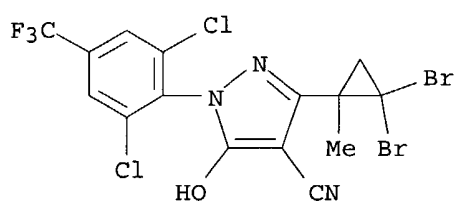


RN 508229-21-8 CAPLUS
 CN Methanimidamide, N'-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



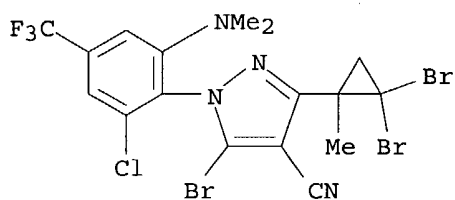
RN 508229-22-9 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-hydroxy- (9CI) (CA INDEX NAME)



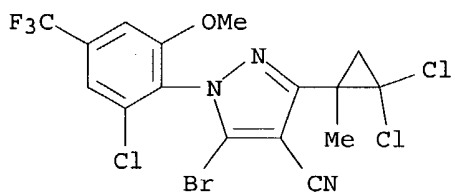
RN 508229-23-0 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-1-[2-chloro-6-(dimethylamino)-4-(trifluoromethyl)phenyl]-3-(2,2-dibromo-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)



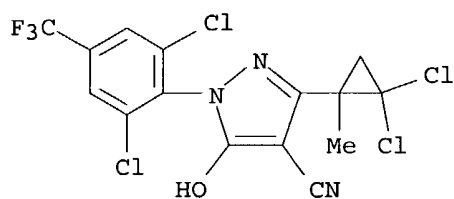
RN 508229-24-1 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-1-[2-chloro-6-methoxy-4-(trifluoromethyl)phenyl]-3-(2,2-dichloro-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)



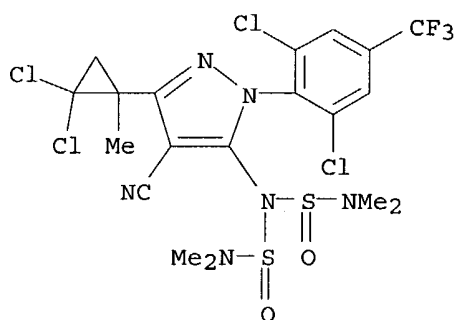
RN 508229-25-2 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-hydroxy- (9CI) (CA INDEX NAME)



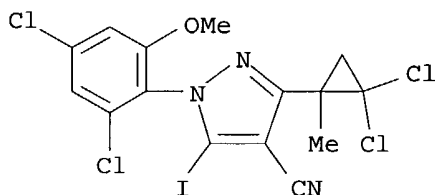
RN 508229-26-3 CAPLUS

CN Imidodisulfurous diamide, N-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoro)phenyl]-1H-pyrazol-5-yl]-N',N',N'',N''-tetramethyl- (9CI) (CA INDEX NAME)



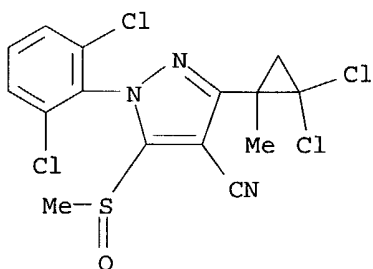
RN 508229-27-4 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 1-(2,4-dichloro-6-methoxyphenyl)-3-(2,2-dichloro-1-methylcyclopropyl)-5-iodo- (9CI) (CA INDEX NAME)



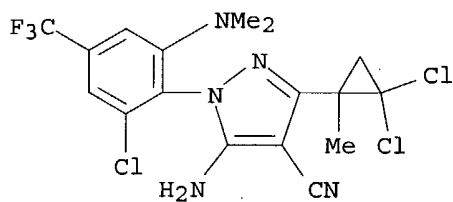
RN 508229-28-5 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)-5-(methylsulfinyl)- (9CI) (CA INDEX NAME)



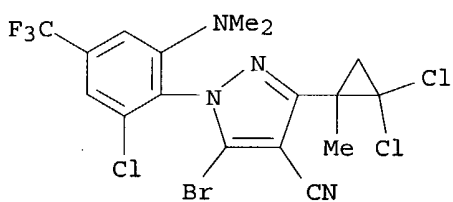
RN 508229-29-6 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-1-[2-chloro-6-(dimethylamino)-4-(trifluoromethyl)phenyl]-3-(2,2-dichloro-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)



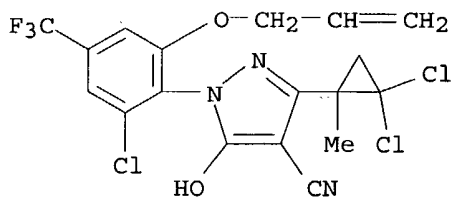
RN 508229-30-9 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-1-[2-chloro-6-(dimethylamino)-4-(trifluoromethyl)phenyl]-3-(2,2-dichloro-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)



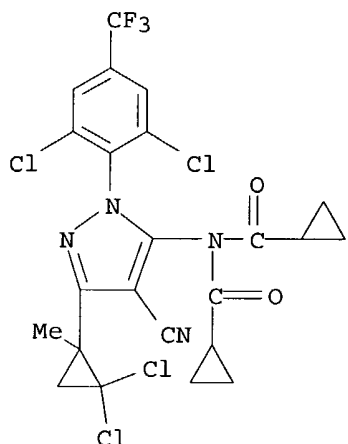
RN 508229-31-0 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 1-[2-chloro-6-(2-propenyloxy)-4-(trifluoromethyl)phenyl]-3-(2,2-dichloro-1-methylcyclopropyl)-5-hydroxy- (9CI) (CA INDEX NAME)



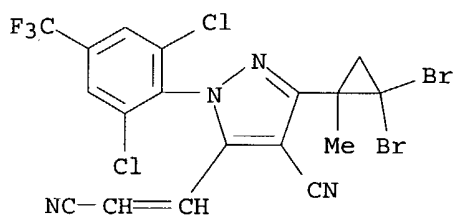
RN 508229-32-1 CAPLUS

CN Cyclopropanecarboxamide, N-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-N-(cyclopropylcarbonyl)- (9CI) (CA INDEX NAME)



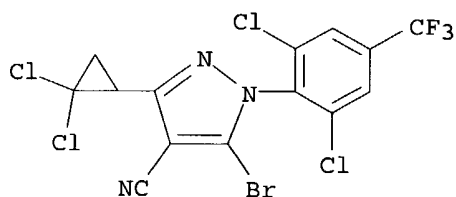
RN 508229-33-2 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-(2-cyanoethenyl)-3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



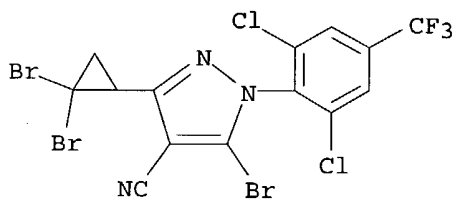
RN 508229-43-4 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dichlorocyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



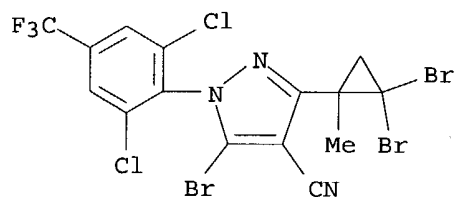
RN 508229-44-5 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dibromocyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 508229-63-8 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ACCESSION NUMBER: 1987:613615 CAPLUS

DOCUMENT NUMBER: 107:213615

TITLE: Preparation of N-phenylpyrazoles as insecticides, nematocides, acaricides, and anthelmintics

INVENTOR(S): Hatton, Leslie Roy; Hawkins, David William; Parnell, Edgar William; Pearson, Christopher John; Roberts, David Alan

PATENT ASSIGNEE(S): May and Baker Ltd., UK

SOURCE: PCT Int. Appl., 191 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

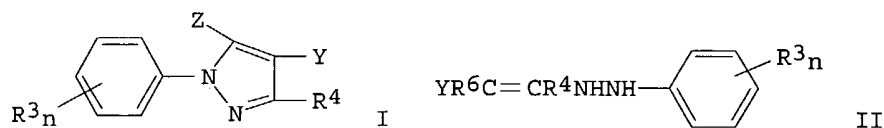
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
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| W: BR | | | | |
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| R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
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| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
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| RU 2080789 | C1 | 19970610 | RU 1987-4203558 | 19871027 |
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| PRIORITY APPLN. INFO.: | | | GB 1985-31485 | A 19851220 |
| | | | WO 1986-GB781 | A 19861219 |

GI



AB The phenylpyrazoles I (Y = halo, CN, NO₂, RSO₂, RSO, RS; R = C1-6 alkyl, haloalkyl, C3-5 cycloalkyl, C2-8 alkenyl, etc.; Z = Z = H, NR₁R₂, alkylsulfenylamino, alkoxymethyleneamino, etc.; R₁, R₂ = H, alkyl, alkoxycarbonylalkyl, cycloalkyl, formyl, alkanoyl, etc.; R₃ = halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, NO₂, CN, etc.; R₄ = halo, CN, NO₂, alkyl, etc.; n = 1-5) and I salts are prepared as pesticides. 2-Chloro-1,1-dicyano-2-trifluoromethylethylene in Et₂O was added to 2,6-dichloro-4-trifluoromethylphenylhydrazine (preparation given) in Et₂O in the presence of K₂CO₃ to give 5-amino-4-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-trifluoromethylpyrazole (III). Exposure to turnip leaves treated with 500 ppm III was lethal to 2nd instar *Plutella xylostella* larvae. A dusting powder was made of 10% IV and 90% talc.

IT 111246-97-0P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pesticide)

RN 111246-97-0 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-cyclopropyl-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

